

CLASS 7, COMPOUND TOOLS**SECTION I - CLASS DEFINITION**

This class includes a hand-held tool which has thereon miscellaneous combinations of diverse tools, not properly classifiable in any other tool class.

- (1) Note. Novel features of specific tools forming part of a structure proper for this class are cross-referenced to the appropriate tool classes.

SECTION II - LINES WITH OTHER CLASSES AND WITHIN THIS CLASS

Class 401, Coating Implements With Material Supply, is the locus of patents to implements which include plural tools. See the references to Class 401, below, for a definition of the subclasses of that class.

Search the classes below for tools to perform a given function combined with additional tool structure to perform an additional function, all within the definition of the noted classes.

SECTION III - REFERENCES TO OTHER CLASSES**SEE OR SEARCH CLASS:**

- 12, Boot and Shoe Making, subclasses 103+.
- 15, Brushing, Scrubbing, and General Cleaning, subclasses 105+.
- 29, Metal Working, subclasses 270+ for compound assembly hand tools, subclasses 592+ for a process of applying a nail, staple or clip, and subclass 560.1 for a convertible machine of the vise type, not elsewhere provided for.
- 30, Cutlery, subclasses 123+ for cutlery combined with other devices provided for in that class definition and subclass 452 for a static implement having plural tools for performing successive dissimilar operations; e.g., rough-cut and finishing or wood cutting and graphite cutting operations.
- 33, Geometrical Instruments, appropriate subclasses, especially subclasses 626+.
- 34, Drying and Gas or Vapor Contact With Solids, subclasses 89.1+ for a blotting tool combined with another tool for a purpose other than drying.

- 42, Firearms, subclass 53 for pistol swords, subclass 86 for bayonets, and subclass 90 for wire-cutters combined with guns or bayonets.
- 47, Plant Husbandry, appropriate subclasses.
- 56, Harvesters, subclasses 400.04+ for hand rakes combined with other tools.
- 69, Leather Manufactures, subclass 20 for tools under that class definition.
- 72, Metal Deforming, subclass 460 for disclosure of a work-gripping clamp having an adjacent deforming tool face, and subclasses 71, 186, 204, 325+, and 464 for disclosure of a deforming tool and a cutting tool in one structure.
- 81, Tools, appropriate subclasses for specific tool detail.
- 86, Ammunition and Explosive-Charge Making, subclass 22 for combined tools adapted for preparing a fuse for application to a cap.
- 114, Ships, subclasses 221+ for implements and tools used with ships.
- 131, Tobacco, subclass 233 for combinations of ash receivers and a cigar tip cutters, subclass 243 for combined or compound smoking device cleaning tools, and subclasses 248 and 253+ for combined cigar tip cutters, perforators and slitters.
- 132, Toilet, subclasses 75.3+ for compound manicuring implements.
- 140, Wireworking, subclasses 123+ for wireworking implements and tools under that class definition.
- 168, Farriery, subclasses 45+ for compound tools employed by blacksmiths in fitting and securing in place the shoes of cattle and horses.
- 172, Earth Working, subclasses 371+, especially subclass 375 for compound earth working tools, such as a tool with two hoe portions.
- 175, Boring or Penetrating the Earth, subclass 327 for compound earth boring tool, such as a tool composed of rolling and nonrolling cutters or for a combined bit and reamer.
- 206, Special Receptacle or Package, subclass 234 for a pocket-carried receptacle having diverse tools therein.
- 225, Severing by Tearing or Breaking, subclass 96.5 for glass scoring means combined with breaking means.
- 227, Elongated-Member-Driving Apparatus, subclasses 12+ for combined apparatus for stretching and attaching flaccid material to a rigid supporting surface by applying a member, e.g., nail, staple, etc.

- 294, Handling: Hand and Hoist-Line Implements, subclasses 2+ and 51+ for combined handling implements.
- 299, Mining and In Situ Disintegration of Hard Material, appropriate subclasses.
- 401, Coating Implements With Material Supply, subclasses 9+ for plural, generally simultaneously operable coating tools for plural or curved surfaces, subclasses 16+ for diverse coating tools, subclasses 29+ for plural coating tools, including one which is projectable and retractable, subclasses 34+ for plural, simultaneously exposed, coating tools, each with individual supply, subclasses 37+ for plural coating tools with supply to less than all, subclass 52 for a tool which is a piece of solid coating material for rubbing contact with a surface, and a noncoating tool, subclass 195 for a tool which applies or spreads fluent coating material, and a noncoating tool.
- 408, Cutting by Use of Rotating Axially Moving Tool, subclasses 223+ for a tool including cutting edges for drilling and additional cutting edges for reaming or counter sinking.
- 425, Plastic Article or Earthenware Shaping or Treating: Apparatus, subclass 183 for a compound hand tool having alternatively used plural shaping surfaces mounted on a common handle, and subclass 184 for a compound implement including distinct shaping and severing means.
- 452, Butchering, appropriate subclasses for compound tools used in butchering, particularly subclasses 2+ for a shrimp processing tool, subclasses 6+ for a hand tool used to process other crustaceans, subclass 17 for a bivalve opening tool, subclass 103 for a compound hand tool used for fish scaling, hair or feather removal, subclasses 132+ for a hand-held skinning tool, subclass 137 for a hand-held deboning tool, subclasses 145-147 for hand held meat tenderizers, and subclasses 161 and 166+ for fish processing hand tools.
- 463, Amusement Devices: Games, subclass 47.4 for a striking type of weapon for use on a human being (e.g., a police club, etc.) which is combined with a cutter.

100 **AUTOMOBILE REPAIR OR MAINTENANCE:**

This subclass is indented under the class definition. Tools which are organized, assembled, or specialized for the task or repair or maintenance of automotive vehicles or specific parts thereof.

SEE OR SEARCH CLASS:

- 15, Brushing, Scrubbing, and General Cleaning, subclasses 104.011+ for cylinder piston and plug cleaners.
- 81, Tools, subclass 9.24 for engine tappet adjusters.

101 **WATCHMAKING OR REPAIR:**

This subclass is indented under the class definition. Tools which are organized, assembled, or specialized for the task of repair, making or maintenance of clocks, watches, or the like.

SEE OR SEARCH CLASS:

- 29, Metal Working, subclasses 700+ for assembling tools for watches, especially subclass 807 for a tool for assembling a crystal to a watch or clock.
- 81, Tools, subclass 6 for watchmakers' tools provided for under that class definition.
- 968, Horology, subclasses 651+ for an alternative search for U.S. patents, based upon a modification of the European Patent Office Classification.

102 **SHOEMAKING OR LEATHER WORKING:**

This subclass is indented under the class definition. Tools which are organized or specialized to the task of shoe repair or leather working.

SEE OR SEARCH CLASS:

- 12, Boot and Shoe Making, subclasses 103+ for boot and shoe making tools.
- 69, Leather Manufactures, subclass 20 for leather working tools under that class definition.

SUBCLASSES

103 CARPET INSTALLATION, FINISHING, OR TRIMMING:

This subclass is indented under the class definition. Tools which are organized, assembled, or specialized to the problems of carpet installation, edge finishing, or edge trimming.

SEE OR SEARCH CLASS:

- 254, Implements or Apparatus for Applying Pushing or Pulling Force, subclasses 200+ for implements or apparatus utilizing mechanical advantage to stretch a carpet when installing it.
- 294, Handling: Hand and Hoist-Line Implements, subclass 8.6 for devices to aid in stretching a carpet when installing it.

104 SPECIALIZED TO MINING OR MINER'S USE, E.G., MINER'S CANDLESTICK:

This subclass is indented under the class definition. Tools which are organized, assembled, or specialized to the various tasks encountered by a miner and which may include a candlestick or means to support a candle.

SEE OR SEARCH CLASS:

- 431, Combustion, subclass 296 for a miner's candlestick holder and a hook, clamp, or spike for securing the holder to a wall or other external structure.

105 HOUSE PAINTING, PAPER HANGING, OR GLAZING:

This subclass is indented under the class definition. Tools which are specialized to the task of (1) interior or exterior house painting, (2) hanging of wallpaper, (3) installation of window glass, or (4) any combination of the above.

106 FISHING:

This subclass is indented under the class definition. Tools which are organized, assembled, or specialized to the catching, landing or cleaning of fish.

SEE OR SEARCH CLASS:

- 43, Fishing, Trapping, and Vermin Destroying, subclasses 4+ for the various devices, therein classified, used in the art of fishing.

107 ELECTRICAL CONNECTION FORMING OR WIRE PREPARATION:

This subclass is indented under the class definition. Tools specialized to (1) the forming of a connection between a conductor wire and another conductor element, or (2) the preparation of a conductor wire prior to forming a connection.

108 With screwdriver:

This subclass is indented under subclass 107. Tools wherein one member of the compound tool is a screwdriver.

109 FOR STOVE, RANGE, OR FURNACE USE:

This subclass is indented under the class definition. Tools wherein at least one member of the compound tool is specialized to the use or maintenance of a stove, cooking range, or furnace.

110 COOKING, BAKING, OR KITCHEN FOOD PREPARATION:

This subclass is indented under the class definition. Tools which are organized, assembled, or specialized to the task of cooking or baking food or the preparation of food.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 126, and 151+, for receptacle openers and closure removers, e.g., can openers, bottle crown removers, etc.

111 Rolling pin, combined or convertible:

This subclass is indented under subclass 110. Tools comprising a food or dough roller having handles at either end (1) combined with an implement or tool having a diverse function, or (2) having interchangeable or rearrangeable parts for conversion to an implement or tool having a diverse function.

SEE OR SEARCH CLASS:

- 492, Roll or Roller, subclass 13 for a rolling pin or a pastry roller which includes only that part of the roller structure and its support which is rotatably mounted except that a cover or a pad, per se, that is disclosed or claimed solely for or in combination with such a roller is included herein.

112 With culinary fork:

This subclass is indented under subclass 110. Tools wherein one of the tools is kitchen or eating related and is formed of two or more tines or prongs and is used for piercing or otherwise picking up foodstuff.

113 With knife or cutter means:

This subclass is indented under subclass 110. Tools wherein one of the tools is in the form of a knife or cutter.

114 WEEDING, GARDENING, OR LIGHT AGRICULTURAL OR EARTHWORK-ING USE:

This subclass is indented under the class definition. Tools specialized for light agricultural use such as planting, weeding, gardening in general, or light digging, trenching, or the like.

- (1) Note. Hand carried military intrenching tools, when combined with another tool, the combination being proper for this class, are provided for in this or an indented subclass.
- (2) Note. Pruning tools, such as axes, saws, or other cutting tools are not considered to be "agricultural" for this subclass.

115 Pitch fork:

This subclass is indented under subclass 114. Tools wherein at least one of the tools is formed of two or more tines or prongs at the end of an elongate handle and is used for piercing or otherwise picking up material to be moved.

116 Spade or shovel:

This subclass is indented under subclass 114. Tools wherein at least one of the tools has a handle portion attached to a somewhat flattened scoop-like portion which has for its primary purpose that of digging into the earth to move or remove same, and is commonly known as a spade or shovel.

- (1) Note. Compound tools having thereon structure which is commonly known as a garden hoe, will be found in subclass 114 above.

117 SPECIALIZED TO WIRE FENCE INSTALLATION OR REPAIR:

This subclass is indented under the class definition. Tools which are organized, assembled, or otherwise specialized to the installation or repair of fences which have wire as a structural component.

118 POCKETKNIFE TYPE:

This subclass is indented under the class definition. Tools which are foldable or otherwise retractable into a common handle or sheath and generally resemble a common "pocketknife".

SEE OR SEARCH CLASS:

- 30, Cutlery, subclasses 151+ for pocket tools showing and claiming handles for cutlery implements or showing cutlery and other tools but claiming only features limited to cutlery. This class (7) includes patents showing and claiming cutlery implements combined with other tools and handles for tools showing cutlery implements and other tools.
- 86, Ammunition and Explosive-Charge Making, subclasses 31+ for pocket tools specially designed for loading fireworks and bursting charges.

119 With gauge or other measuring means, e.g., ruler, level, etc.:

This subclass is indented under subclass 118. Tools wherein one of the tools functions to measure size, distance, angle, or any other measurable attribute.

120 With abrasive sharpening means:

This subclass is indented under subclass 118. Tools provided with abrasive means, usually on the handle of the case or sheath, intended to function as a knife or blade sharpener.

121 THIMBLE AND THREAD CUTTER:

This subclass is indented under the class definition. Tools wherein a thimble, i.e., a cap or cover used in sewing to protect the finger when pushing the needle, is combined with a means to cut sewing thread.

122 SHINGLE GAUGE OR HATCHET, HAND AXE, OR HAMMER:

This subclass is indented under the class definition. Tools wherein a hatchet, hand axe, or hammer is combined with a linear distance gauge which provides the necessary or pertinent distances required when installing roofing shingles.

123 WITH BUTTON HOOK OR SHOE HORN:

This subclass is indented under the class definition. Tools wherein at least one of the tools is (1) a hook-like member designed to facilitate the insertion of a button into a buttonhole, or (2) a member designed to facilitate the insertion of the foot into a shoe or boot.

124 MUTILATING ERASER COMBINED WITH BURNISHER:

This subclass is indented under the class definition. Tools for removing markings in the nature of indicia from a sheet, which tool defaces the surface of the sheet in the operation (e.g., rasp, scraper, abradant); and another tool which restores the defaced surface to an acceptably smooth condition.

SEE OR SEARCH CLASS:

- 15, Brushing, Scrubbing, and General Cleaning, subclass 105.51 for a burnisher combined with a nonmutilating (i.e., rubber) eraser.
- 30, Cutlery, subclasses 123+ for a bladed tool which erases by scraping a surface, combined with a nonerasing device other than a tool.

125 PLIER TYPE:

This subclass is indented under the class definition. Tools having the dominant or general structure of pliers.

SEE OR SEARCH CLASS:

- 81, Tools, particularly subclasses 300+ for tool-jaw(s) positioned by relatively movable plural handles (e.g., pliers).

126 This subclass is indented under subclass 125. With receptacle opener or closure remover: Tools wherein at least one of the tools is designed to open or remove receptacle closures.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 151+, for receptacle openers or closure removers not combined with or in the form of pliers.

127 With tool or plier handle:

This subclass is indented under subclass 125. Tools wherein one or more tools are integral with and/or mounted on the manually held operating levers at a point up to, but not including, the lever pivot and/or pivot hubs.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 132+, for plier-type tools having cutters formed on the pivot hubs of the pliers handles.

128 With tool pivoted to plier:

This subclass is indented under subclass 127. Tools wherein one or more tools are mounted on a pivot on some part of the plier.

- (1) Note. The tool referred to in this definition need not be the tool which is mounted on the manually held operating lever.

129 With cutter:

This subclass is indented under subclass 127. Tools wherein at least one of the tools is a cutter.

- (1) Note. The tool referred to in this definition need not be the tool which is mounted on the manually held operating lever.

130 Nipper:

This subclass is indented under subclass 129. Tools wherein a cutter is in the form of a nipper, i.e., the cutting jaws meet to sever the material between them.

131 Shear:

This subclass is indented under subclass 129. Tools wherein the cutter is in the form of a shear, i.e., the cutting edges of the blades move past and in substantial contact with each other in the cutting operation.

- 132 With cutter:**
This subclass is indented under subclass 125. Tools wherein at least one of the tools is a cutter.
- 133 Nipper:**
This subclass is indented under subclass 132. Tools wherein the cutter is in the form of a nipper, i.e., the cutting jaws meet to sever the material between them.
- 134 Shear:**
This subclass is indented under subclass 132. Tools wherein the cutter is in the form of a shear, i.e., the cutting edges of the blades move past and in substantial contact during the cutting operation.
- 135 Scissors:**
This subclass is indented under subclass 134. Tools wherein the shear-type cutter is in the form of ordinary hand scissors.
- 136 And comb:**
This subclass is indented under subclass 135. Tools wherein one of the tools is a scissors and one a comb.
- SEE OR SEARCH CLASS:
- 30, Cutlery, subclass 233.5 and the Notes thereto for combined shears and combs where the comb comprises a guide, guard, or gauge for the material being cut.
- 132, Toilet, subclasses 219+ for combs, per se, and combined with other devices and not elsewhere provided for. See particularly subclass 148 for combs having a guide or rest for scissors.
- 137 With hammer:**
This subclass is indented under subclass 125. Tools wherein one of the tools is a hammer or hammerhead.
- 138 WRENCH:**
This subclass is indented under the class definition. Tools wherein one of the tools is structurally designed to grip a workpiece between opposed jaws in order to exert a twisting strain for turning the workpiece.
- (1) Note. Tap wrenches and die stocks are considered wrenches for this and indented subclasses when such devices are combined with diverse tools not elsewhere classified.
- (2) Note. Devices of the wrench type which exert a twisting strain on screw-type receptacle closures, for the purpose of opening such closures, will be found in this and the indented subclasses.
- SEE OR SEARCH CLASS:
- 81, Tools, subclasses 52+ for a wrench, per se, particularly subclass 181 for a wrench provided with a cutter attachment or adjunct which is operated by the jaw actuating means (Class 7 takes a wrench combined with a general purpose cutter and not meeting the above criteria), subclass 185.1 for a convertible wrench, subclass 185.2 for a wrench having an additional clamp jaw, and subclass 437 for wrenches or screwdrivers which have a work-turning portion inserted into a cavity and are usable as, or combined with, a diverse wrench.
- 470, Threaded, Headed Fastener, or Washer Making: Process and Apparatus subclasses 8+ for methods of making screw threads, per se, and subclasses 57+ for apparatuses making screw threads, per se.
- 139 Adjustable, e.g., monkey wrench, pipe wrench, etc.:**
This subclass is indented under subclass 138. Tools wherein the jaws which grip or contact the workpiece to be twisted are manually adjustable in size.
- 140 And brace:**
This subclass is indented under subclass 139. Tools wherein one of the tools comprises a bowed or generally U-shaped handle designed to cooperate with the hand to impart rotation to a bit or other tool.
- 142 With cutter:**
This subclass is indented under subclass 139. Tools wherein one of the tools is a knife or other cutter means.

- SEE OR SEARCH CLASS:
81, Tools, subclasses 181+ for wrenches having a cutter attachment.
- 143 HAMMER:**
This subclass is indented under the class definition. Tools comprising an impacting instrument having the dominant or general structure of a hammer.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
110+, for a hammer used for the purpose of tenderizing meat.
122, for a hammer or hatchet combined with a guide or gauge to aid in placing shingles.
137, for a plier-type tool combined with hammerhead structure.
- SEE OR SEARCH CLASS:
254, Implements or Apparatus for Applying Pushing or Pulling Force, subclass 26 for claw hammers.
- 144 With cutter:**
This subclass is indented under subclass 143. Tools wherein one of the tools is a knife or other cutter means.
- 145 Axe, hatchet, or adz head:**
This subclass is indented under subclass 144. Tools wherein an impacting head is mounted on the end of a handle member, one end of the head having a cutting edge thereon and such head being of the general structure of a hatchet, axe, or adz.
- SEE OR SEARCH CLASS:
30, Cutlery, subclasses 308.1+ for axes, hatchets and adzes where the hammer surface is not claimed.
- 146 Fixed form:**
This subclass is indented under subclass 143. Tools wherein the relative positions of the various parts are not altered during the various operations of which the device is capable.
- 147 Integral:**
This subclass is indented under subclass 146. Tools consisting of a single, unitary piece of material.
- 148 HANDSAW:**
This subclass is indented under the class definition. Tools wherein one of the tools is designed for cutting material and comprising a thin flat blade having a continuous series of teeth on an edge of the blade.
- SEE OR SEARCH CLASS:
30, Cutlery, subclasses 166.3+ for hand-saw, per se.
- 149 Hacksaw frame type:**
This subclass is indented under subclass 148. Tools wherein the saw blade is stretched between the ends of a generally U-shaped frame.
- 150 With gauge or other measuring means, e.g., ruler, level, etc.:**
This subclass is indented under subclass 148. Tools combined with tools which function to measure size, distance, angle, or any other measurable attribute.
- 151 RECEPTACLE OPENER OR CLOSURE REMOVER:**
This subclass is indented under the class definition. Tools wherein one of the tools is designed to open or remove receptacle closures.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
118+, for a pocketknife combined with a closure remover.
126, for a plier-type tool having a closure remover thereon.
166, for crowbars or prybars used to open wooden crates.
- SEE OR SEARCH CLASS:
81, Tools, subclasses 3.07+ for receptacle closure removers, per se, or in combination with devices other than tools.
- 152 Can opener cutter:**
This subclass is indented under subclass 151. Tools wherein the closure remover is a can opener in the form of a cutter.

SEE OR SEARCH CLASS:

30, Cutlery, subclasses 400+ for can openers, per se, subclass 407 for can openers with spout formers, and subclass 408 for can openers combined with other cutlery.

153 With tear strip puller:

This subclass is indented under subclass 152. Tools combined with a device to pull a tear strip, usually by winding.

154 With corkscrew:

This subclass is indented under subclass 152. Tools combined with a helical device for drawing corks from bottles, commonly called a corkscrew.

155 Corkscrew:

This subclass is indented under subclass 151. Tools wherein the closure remover is or is combined with a helical device used for drawing corks from bottles.

156 With cutter:

This subclass is indented under subclass 151. Tools combined with a knife blade or other cutter means.

157 PIPE OR TUBE END FORMER AND/OR CUTTER:

This subclass is indented under the class definition. Tools wherein (1) one of the tools is specifically designed to cut a pipe or tube-like structure in a direction transverse to its longitudinal axis, or (2) one of the tools is designed to reshape the end of a pipe or tube after it has been cut or otherwise deformed.

158 CUTTER COMBINED WITH OTHER TOOL OR TOOLS:

This subclass is indented under the class definition. Tools wherein one of the tools is a knife or other cutter means.

- (1) Note. For cutters combined with other structure and specialized to a particular use, search this class (7), subclasses 100-124. For cutters combined with specific tool structure, search this class (7), appropriate tool subclasses.

SEE OR SEARCH CLASS:

30, Cutlery, subclasses 123+ for cutters combined with other articles of cutlery under that class definition.
56, Harvesters, subclasses 400.05+ for rakes combined with cutters.
289, Knots and Knot Tying, subclass 17 for combined hand knotters and cutters.

159 Brush hook and axe:

This subclass is indented under subclass 158. Tools wherein the cutter is an axe or the like and is combined with hook-like structure designed to grip or pull tree limbs or brush when clearing land.

160 Desk use tool, e.g., letter opener, pencil sharpener:

This subclass is indented under subclass 158. Tools wherein one of the tools, not necessarily the cutter, is of the stationery type, that is commonly associated with an office or desk.

161 With hook:

This subclass is indented under subclass 158. Tools wherein the cutter is combined with a hook shape structure designed to handle material or articles.

162 With means specialized to manicure use:

This subclass is indented under subclass 158. Tools wherein one of the tools, not necessarily the cutter, is specialized to finger or toe nail care.

SEE OR SEARCH CLASS:

132, Toilet, subclasses 73+ for manicure tools, per se.

163 With gauge or other measuring means, e.g., ruler, level, etc.:

This subclass is indented under subclass 158. Tools combined with tools which function to measure size, distance, angle, or any other measurable attribute.

164 WITH GAUGE OR OTHER MEASURING MEANS, E.G., RULER, LEVEL, ETC.:

This subclass is indented under the class definition. Tools wherein one of the tools functions to measure size, distance, angle, or any other measurable attribute.

165 WITH SCREWDRIVER:

This subclass is indented under the class definition. Tools wherein one of the tools is a flattened blade designed to impart rotation to a common screw-type fastener.

SEE OR SEARCH THIS CLASS, SUBCLASS:

108, for a tool specialized to electrical connection forming having a screw driver thereon.

SEE OR SEARCH CLASS:

81, Tools, subclasses 436+ for tools which have a force-exerting portion inserted into a cavity (e.g., screwdrivers).

166 CROWBAR OR PRYBAR:

This subclass is indented under the class definition. Tools wherein one of the tools is usually wedge-shaped at the working end and is used as a pry or lever.

SEE OR SEARCH THIS CLASS, SUBCLASS:

117, for crowbars combined with other wire fence installation or repair tools.

167 HOLDERS OR HANDLES:

This subclass is indented under the class definition. Devices adapted to serve as a handle or holder for tools of this class type.

SEE OR SEARCH CLASS:

30, Cutlery, subclasses 151+ for pocket tools showing and claiming handles for cutlery implement or showing cutlery and other tools but claiming only features limited to cutlery. This class (7) includes patents showing and claiming cutlery implements combined with other tools and handles for tools showing cutlery implements and other tools.

81, Tools, subclasses 177.1+ for a wrench or screwdriver handle, and subclasses 489+, the generic locus for a tool handle which is not disclosed for use with a particular tool, particularly subclass 490 for such a tool handle having a storage compartment for another unattached tool which is not claimed.

86, Ammunition and Explosive-Charge Making, subclasses 21+ for pocket tools especially designed for loading fireworks and bursting charges.

168 For pivoted tools:

This subclass is indented under subclass 167. Holders or handles for tools which pivot into and out of a working or use position.

169 INTEGRAL:

This subclass is indented under the class definition. Tools consisting of a single piece of material.

SEE OR SEARCH THIS CLASS, SUBCLASS:

166, for crowbars or prybars which may have the integral feature.

170 MISCELLANEOUS:

This subclass is indented under the class definition. Tools not provided for in any of the preceding subclasses.

CROSS-REFERENCE ART COLLECTIONS

900 RESILIENT PIVOT:

Tools which have two or more parts which move relative to each other about a given point upon the application of pressure, and which return to their original position upon release of that pressure.

901 MAGNETIC FEATURE:

Tools which utilize one or more magnets in their operation or use.

END